

**Navigating Defined STEM**

On the front page, click on Curriculum Standards Search

**Select State:** PA

**Select Subject:** Science

**Select Grade**: 7

* Click plus sign next to Academic Standards for Science and Technology
* Click plus sign next to Biological Sciences
* Click plus sign next to Grade 7
* Click the search button following A.
* Click “Who Lives in a Wildlife Refuge”
  + - * The front page contains: a video, student project, and links to a performance task
      * Select performance task: “Wildlife Biologist”

**Review components of Performance Task**

* Essential Questions (aligned with SAS Curriculum Framework)
  + Big Ideas
  + Video Intro
* Goal
* Role
* Audience
* Situation
* Products
  + Rubrics
  + Exemplars
  + 21st Century Skills

\*\* Print View will put all information on one page.

**Click Home** **(Top Left)**

To demonstrate Simulations, click on *View all Simulations*. Briefly look at “Baseball Bat Sweet Spot”

**Click Home (Top Left)**

To look at simulations in context, Click on *View all Performance Tasks*

Click “Data Analyst”

Briefly watch first two minutes of video

Review Products with attention to Data Table and Research Paper.

Go back to home page and click on “Finding the Sweet Spot” simulation

Conduct Simulation with five swings.

Click Home (upper Left):

In search bar: type the word Space; drop down shows possible phrases

**Select:** space missions

Review tabs at top

Connections (294)

Performance Tasks (24)

Simulations (5)

Projects (18)

In projects click “Project: Space Heating”

These experiences may be used as a lesson plan and/or project based learning activity.

Now it is your turn to “Connect the Dots.”

Navigate through the site and use the worksheet to guide your navigation and help you build instructional linkages for your classroom.